

HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card Installation Instructions



Read instructions completely before beginning installation procedure.

© Copyright 2005 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card
Installation Instructions

First Edition (January 2005)
Part Number 385912-001

Overview

This document describes the procedures for installing the HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card in your HP ProLiant ML110 Generation 2 server. This option allows users to perform server management tasks remotely over a LAN or the Internet. It also has a health monitoring function that tracks and records system events related to the fan status, system temperature, and voltage condition. The Lights-Out 100 Remote Management Card complies with the IPMI 1.5 industry standard.

Installation guidelines

The installation procedures in this document are intended for individuals who are qualified in the servicing of computer equipment and trained in recognizing hazards in products with hazardous energy levels.

NOTE: The procedures described in this document assume that the server is out of the rack and is positioned on a flat, stable surface.

IMPORTANT: Observe the pre- and post-configuration procedures described in later sections when installing the remote management card.



CAUTION: Follow the ESD precautions listed in Chapter 2 of the *HP ProLiant ML110 Generation 2 Server Maintenance and Service Guide* when handling the remote management card.



WARNING: Failure to properly turn off the server before you open the server may cause serious damage as well as bodily harm.

HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card installation

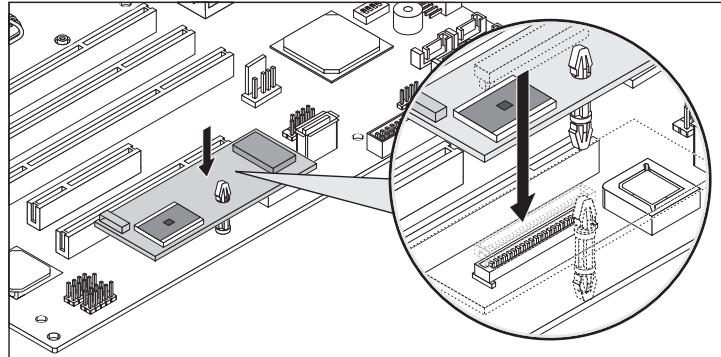
Pre-installation procedures

Perform the instructions below before installing the remote management card.

1. Perform data backup.
2. Turn off the server and all the peripherals connected to it.
3. Unplug all cables from the power outlets to avoid exposure to high energy levels that may cause burns when parts are short-circuited by metal objects such as tools or jewelry. If necessary, label each one to expedite reassembly.
4. Disconnect telecommunication cables to avoid exposure to shock hazard from ringing voltages.
5. Open the server according to the instructions described in Chapter 2 of the *HP ProLiant ML110 Generation 2 Server Maintenance and Service Guide*.

Installing the HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card

1. Lay the server on its side (components showing).
2. Locate the 30-pin remote management card connector on the system board.
3. Remove the remote management card from its protective packaging.
4. Align the card (with the spacer support attached) with the remote management card slot on the system board, then firmly seat the card on the slot



5. Perform the post-installation procedures described in the next section.

Post-installation Procedures

1. Be sure all components are installed according to the described step-by-step instructions.
2. Check to make sure you have not left loose tools or parts inside the server.
3. Reinstall any expansion board(s), peripheral(s), board cover(s), and system cable(s) that have previously been removed.
4. Reinstall the system covers.
5. Connect all external cables and the AC power cord to the system.
6. Press the power button on the front panel to turn on the server.

Obtaining additional information

To obtain the latest product documentation, and the most recent driver and software updates for the HP ProLiant ML110 Generation 2 Lights-Out 100 Remote Management Card:

1. Go to <http://www.hp.com/support>.
2. Select your location.
3. On the **Support & Drivers** page, select the kind of information you need. Options include:
 - Drivers and software updates
 - Support and troubleshooting information
4. Type the product name ProLiant ML110 Generation 2.
5. Click the double-arrows to begin your search.
6. Select the kind of information you need from the search results.